

PTO-1449	Application No. Unknown	Applicant(s) Nicholas A. Schuneman,, et al.	
	Docket Number 004578.1194	Group Art Unit Unknown 2821	Filing Date 12/14/2000
	Information Disclosure Citation in an Application		

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>John</i>	A	4,843,403	06/27/89	Lalezari, et al.			
<i>John</i>	B	4,853,704	08/01/89	Diaz, et al.			
<i>John</i>	C	5,036,335	07/30/91	Jairam			
<i>John</i>	D	5,081,466	01/14/92	Bitter, Jr.			
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	K							
	L							
	M							

NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

<i>John</i>	N	Schaubert, Daniel H., "Wide-Band Phased Arrays of Vivaldi Notch Antennas", Antenna Laboratory, University of Massachusetts, pp. 1.6 and 1.9-1.12, undated.					
<i>John</i>	O	Pickles, W. R., et al., "Ultra-Broadband Phased-Array Antenna", U.S. Naval Research Laboratory, pp. 1-6; undated.					
<i>John</i>	P	Shin, Joon, et al., "A Parameter Study of Stripline-Fed Vivaldi Notch-Antenna Arrays", IEEE Transactions on Antennas and Propagation, Vol. 47, No. 5, May 1999, pp. 879-886.					
<i>John</i>	Q	Chio, Tan-Huat, et al., "Parameter Study and Design of Wide-Band Widescan Dual-Polarized Tapered Slot Antenna Arrays", IEEE Transactions on Antennas and Propagation, Vol. 48, No. 6, June 2000, pp. 879-886.					
<i>John</i>	R	Kragalott, Mark, et al., "Design of a 5 : 1 Bandwidth Stripline Notch Array from FDTD Analysis", IEEE Transactions on Antennas and Propagation, Vol. 48, No. 11, November 2000, pp. 1733-1741.					
<i>John</i>	S	Lee, Hai Fong, et al., "Advances in Microstrip and Printed Antennas", John Wiley & Sons, Inc., New York, 1997, two title pages and pp. 447-453 and 510-514.					
<i>John</i>	T	Simon, K., "MMIC Compensation Network for Phased Array Element Mismatch", Raytheon Company, Research Division, September 14, 1990, 68 pages.					

EXAMINER <i>M. Wiener</i>	DATE CONSIDERED 4-21-2003
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

PTO-1449

Application No.
10/023,800Applicant(s)
Nicholas A. Schuneman, et al.Information Disclosure Citation
in an ApplicationDocket Number
004578.1194Group Art Unit
~~Unknown~~
2821Filing Date
12/14/2001

U.S. PATENT DOCUMENTS

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						YES	NO
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NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

P	U.S. Serial No. 10/023,229, filed December 14, 2001, entitled "Balun and Groundplanes for Decade Band Tapered Slot Antenna and Method of Making Same", inventors James M. Irion II, et al. (Attorney Docket 004578.1140).
Q	U.S. Serial No. 09/946,848, filed September 4, 2001, entitled "Method and Apparatus for Increasing Bandwidth of a Stripline to Slotline Transition", inventors James M. Irion II, et al. (Attorney Docket 004578.1150).
R	U.S. Serial No. 10/022,753, filed December 14, 2001, entitled "Slot for Decade Band Tapered Slot Antenna, and Method of Making and Configuring Same", inventors Nicholas A. Schuneman, et al. (Attorney Docket 004578.1193).

EXAMINER

M. Wimer

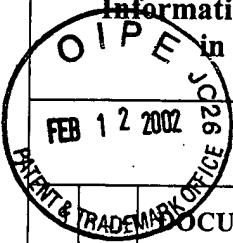
DATE CONSIDERED

4-21-03

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	Docket Number 004578.1194	Group Art Unit Unknown 2821	Filing Date 12/14/2001	

U.S. PATENT DOCUMENTS

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<i>Chio</i>	A	6,008,770	12/28/99	Sugawara			
	B						
	C						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Chio</i>	M	0,343,322	11/29/89	EPC				(N/A)
	N							
	O							

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DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

<i>Chio</i>	P	Chio, et al., "Large Wideband Dual-Polarized Array of Vivaldi Antennas with Radome", 1999 Asia Pacific Microwave Conference (Singapore), IEEE, Piscataway, New Jersey, November 30, 1999, pages 92-95.					
	Q						
	R						

EXAMINER <i>M. Wiener</i>	DATE CONSIDERED 4-21-2003
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